

(12) UK Patent Application (19) GB (11) 2 137 573 A

(43) Application published 10 Oct 1984

(21) Application No 8309446

(22) Date of filing 7 Apr 1983

(71) Applicant

Malcolm Joseph Chattel,
Greendale, Fortescue, Sidmouth, Devon

(72) Inventor

Malcolm Joseph Chattel

(74) Agent and/or Address for Service

Haseltine Lake & Co.,
Hazlitt House, 28 Southampton Buildings, Chancery Lane,
London WC2A 1AT

(51) INT CL³

H05K 11/02

(52) Domestic classification

B7J 69

(56) Documents cited

GB 1155807 GB 0934037

Periodical: "Lastanto Omnibus" Dec. (1980) p.29

(58) Field of search

B7J

(54) Video rear-view system for vehicles

(57) The vehicle (1) is provided with a video camera (2) which views in a rearwards direction and a video monitor (4) for being viewed by a driver of the vehicle. The camera feeds video signals to the monitor via a cable (5) and the camera and the monitor are powered by a battery (6) of the vehicle.

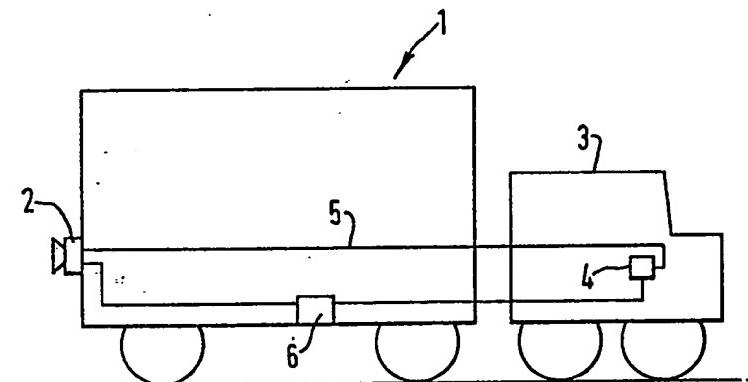


FIG. 1.

GB 2 137 573 A

2137573

1/1

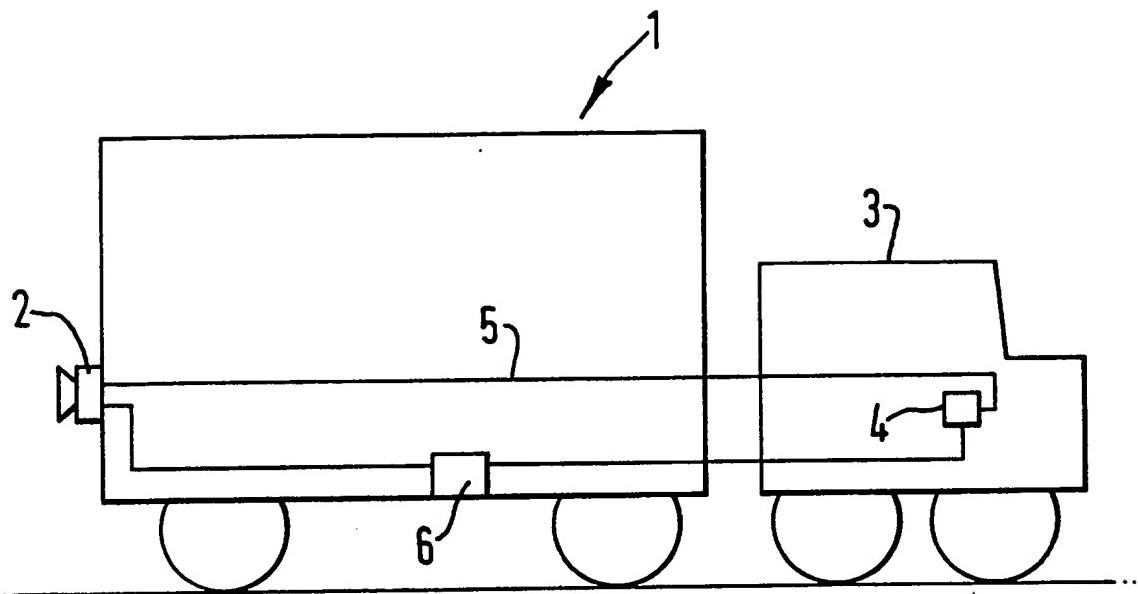


FIG. 1.

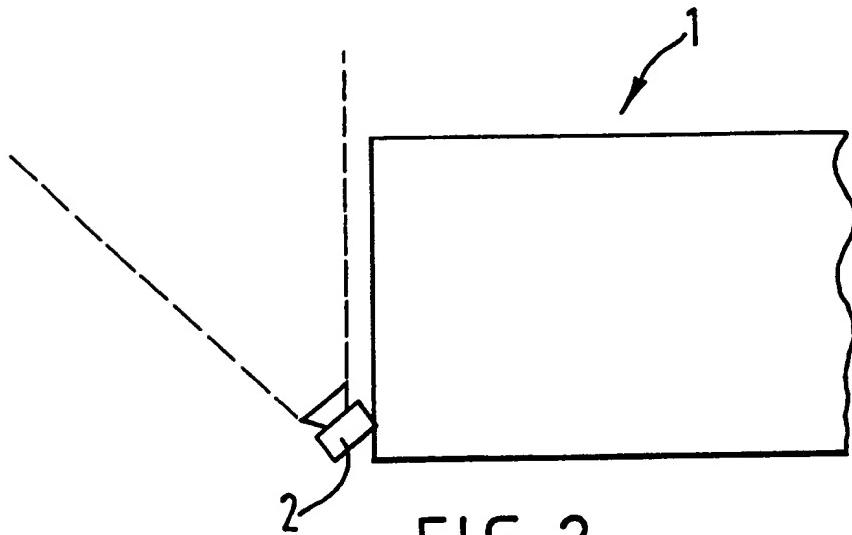


FIG. 2.

SPECIFICATION**Vehicles**

- 5 According to the present invention, there is provided a vehicle provided with a video camera situated for viewing in a rearwards direction and a video monitor situated for being viewed by a driver of the vehicle, the camera being coupled with the monitor for
10 feeding video signals thereto and the camera and the monitor being powered by a battery of the vehicle.

The vehicle could, for example, be a road vehicle such as a lorry.

- 15 The present invention will now be described, by way of example, with reference to the accompanying drawing, in which:-

Figure 1 is a side view of a lorry; and

Figure 2 is a plan view showing how a video

- 20 camera on the lorry could be mounted to view in a rearwards direction.

Referring first to Figure 1, a lorry 1 has mounted at its rear a video camera 2 (for example one of the type EXPT-1006 made by Elbex Japan Limited) which
25 views in a rearwards direction and mounted in its cab 3 a video monitor 4 (for example one of the JVC type TM-22EG/EK) which can be viewed by a driver of the vehicle.

- The camera 2 transmits video signals to the
30 monitor 4 via a co-axial cable 5 and both the camera and the monitor are powered by a 12 volts D.C. battery 6 of the vehicle.

The camera 2 and monitor 4 are provided for giving a driver of the lorry 1 a rear view of what
35 would otherwise be a "blind spot" of the lorry and for this purpose the camera 2 could be mounted as shown in Figure 2 - the camera facing somewhat towards a side of the lorry 1 (its field of view being shown by broken lines) to view as much of the "blind
40 spot" as possible.

Although the camera 2 is shown externally of the lorry 1, preferably it would be housed within the body of the lorry itself, viewing through a transparent cover such as a dome.

45

CLAIMS

1. A vehicle provided with a video camera situated for viewing in a rearwards direction and a video
50 monitor situated for being viewed by a driver of the vehicle, the camera being coupled with the monitor for feeding video signals thereto and the camera and the monitor being powered by a battery of the vehicle.

- 55 2. A vehicle according to claim 1 which is a lorry.

3. A vehicle according to claim 1 or 2, wherein the camera also views somewhat towards a side of the vehicle.

- 60 4. A vehicle according to any preceding claim, whenever the camera views through a transparent cover.

5. A vehicle, substantially as herein described with reference to the accompanying drawing.

Printed in the UK for HMSO, D8818935, 8/84, 7102.

Published by The Patent Office, 25 Southampton Buildings, London, WC2A 1AY, from which copies may be obtained.